

Fig. 1

FIG. 2

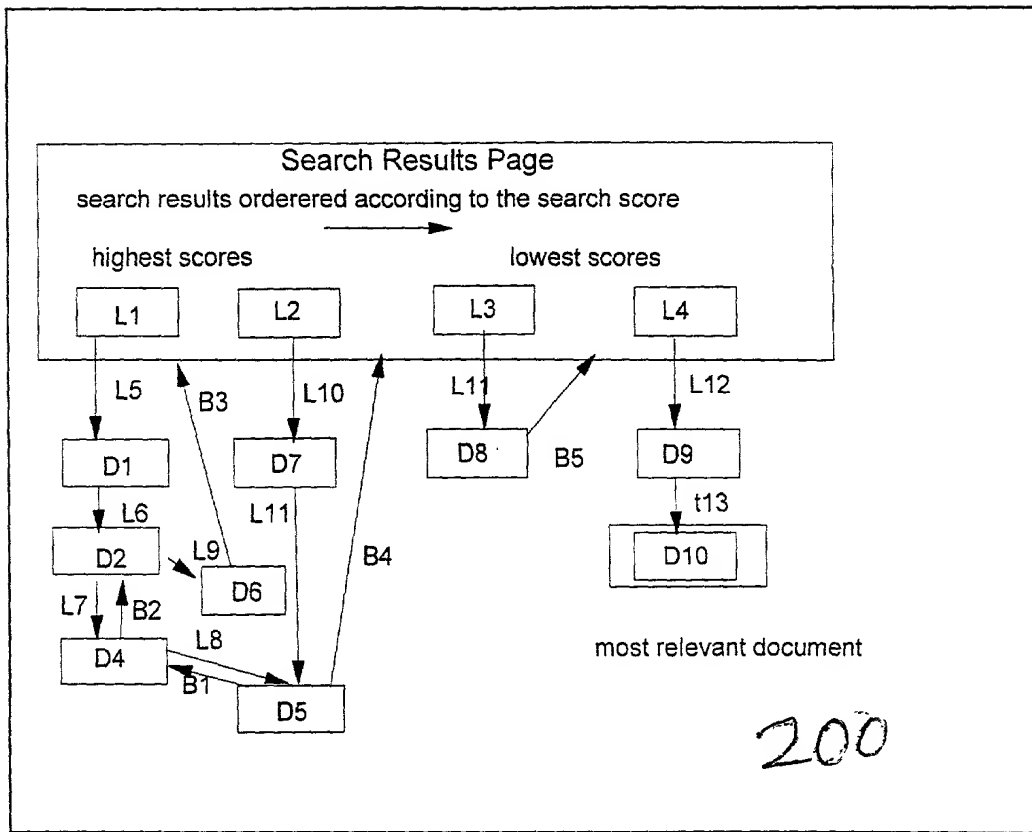


Fig 2

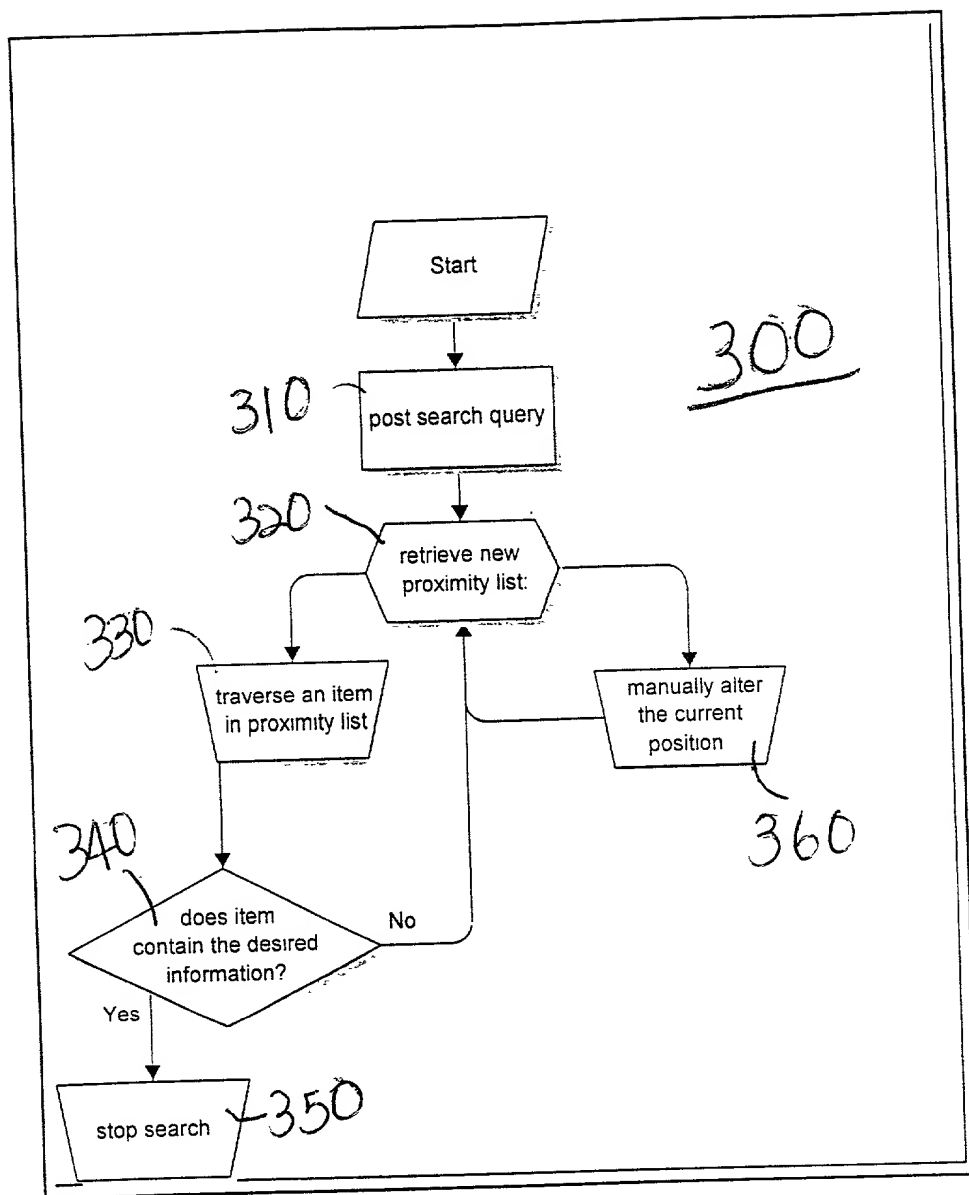


Fig 3

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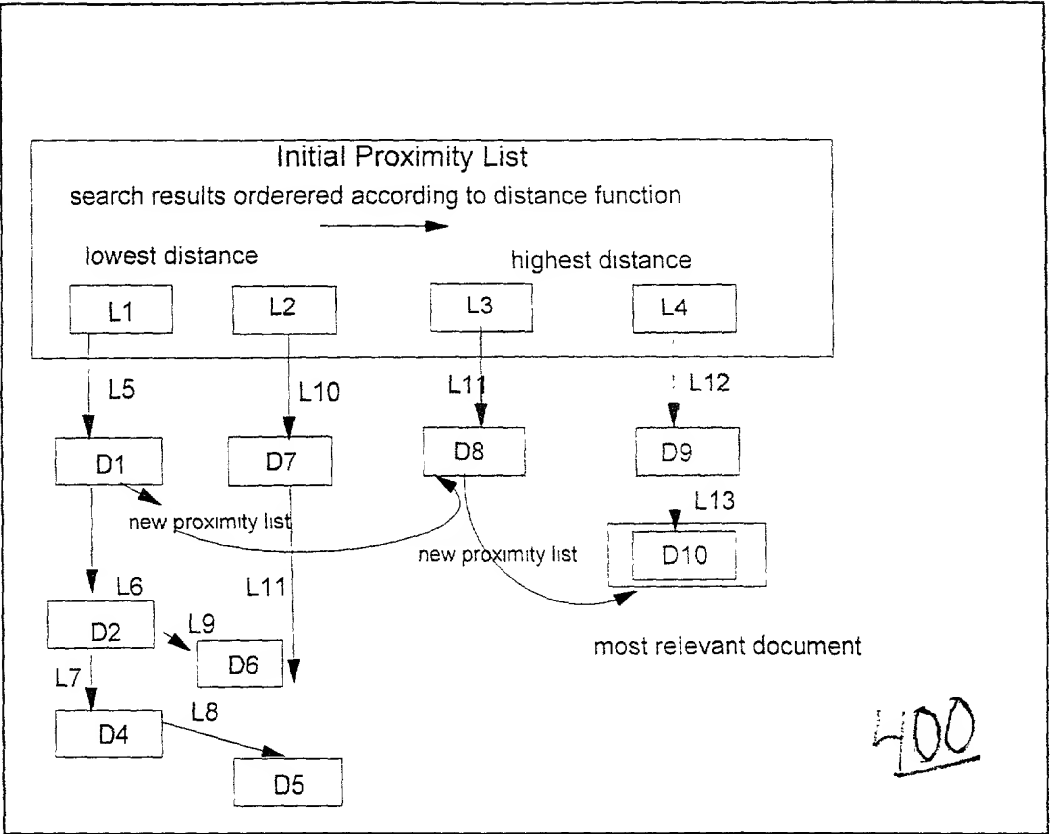


Fig 4

Fig. 5

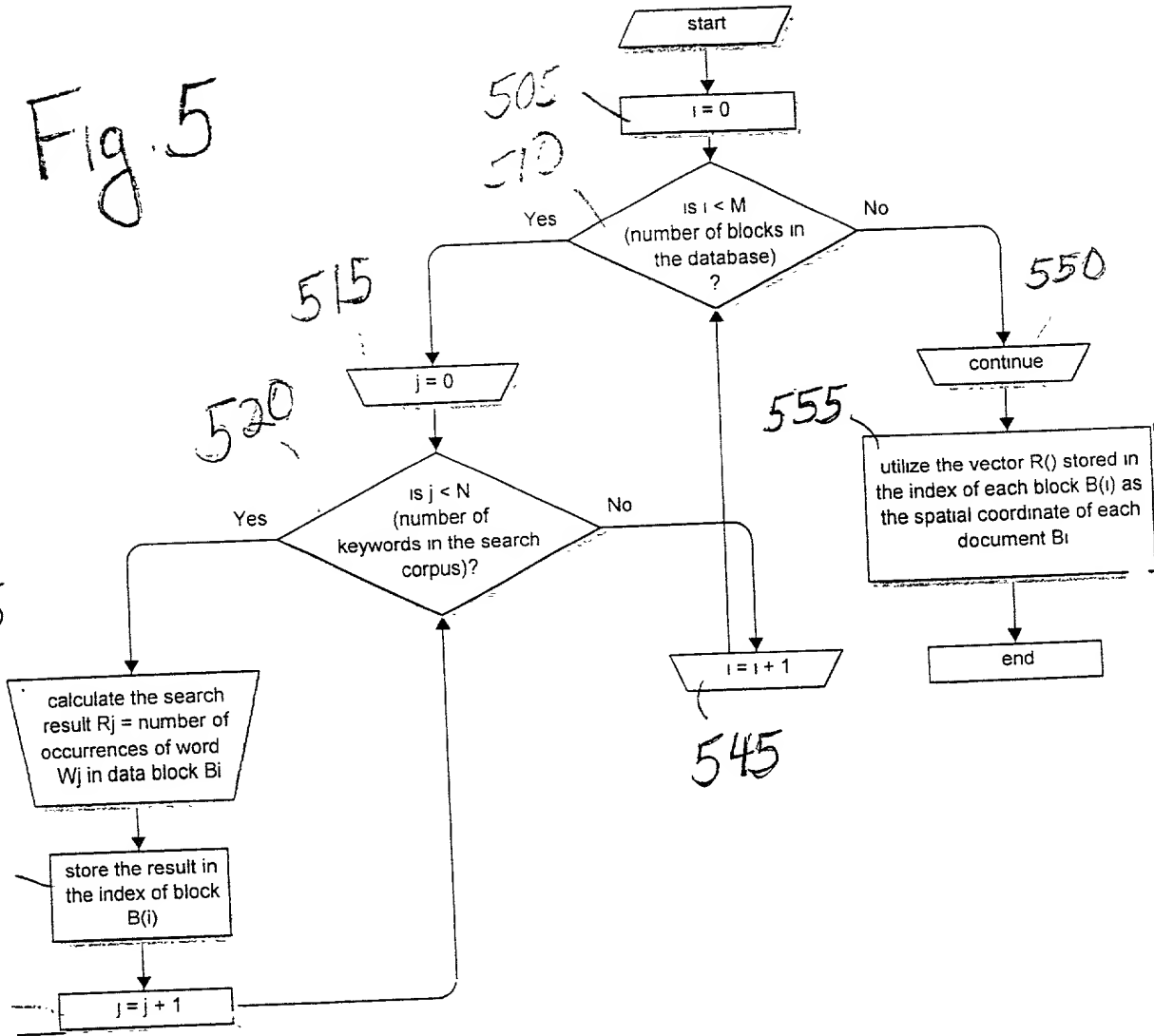
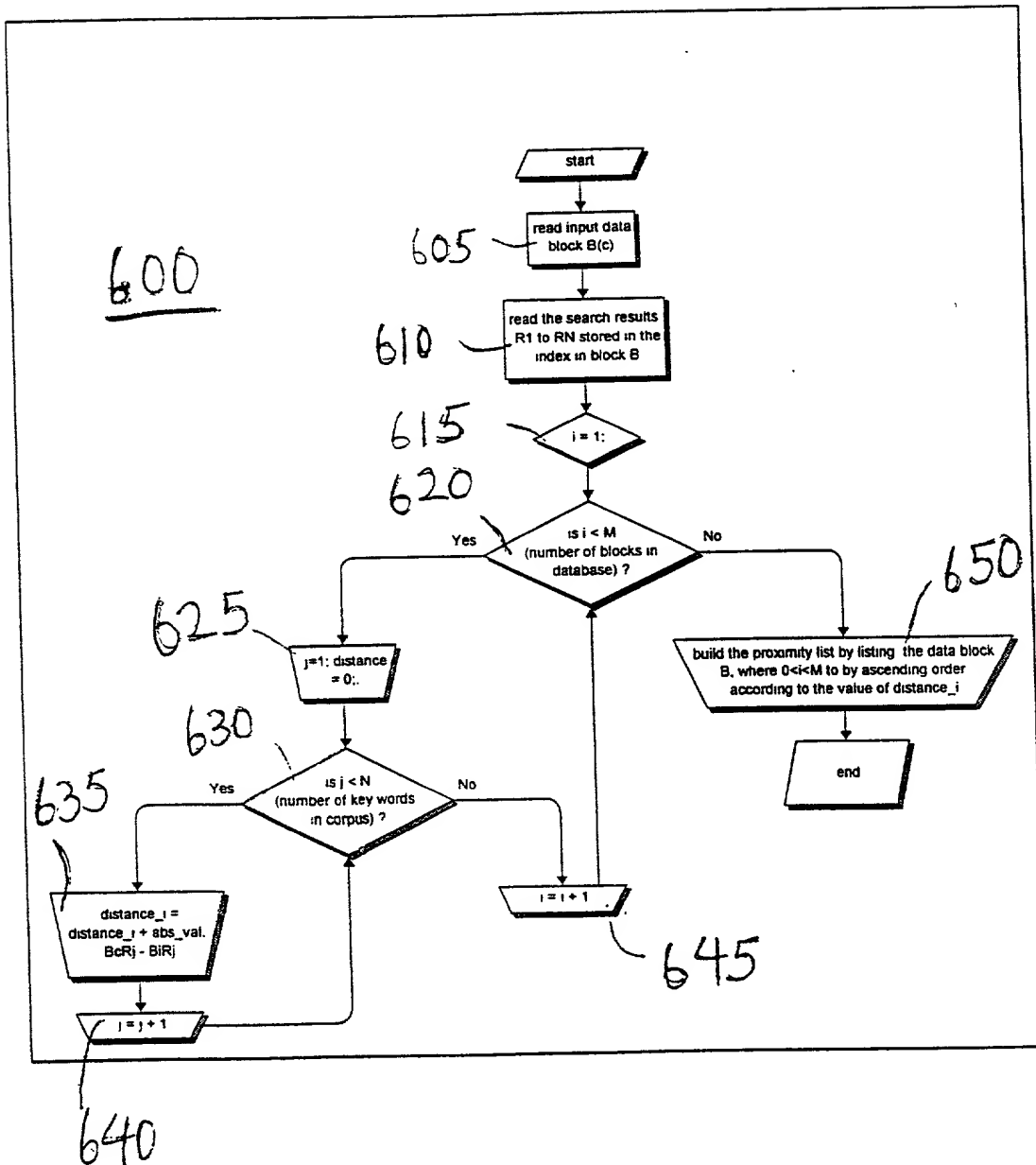


Fig. 6



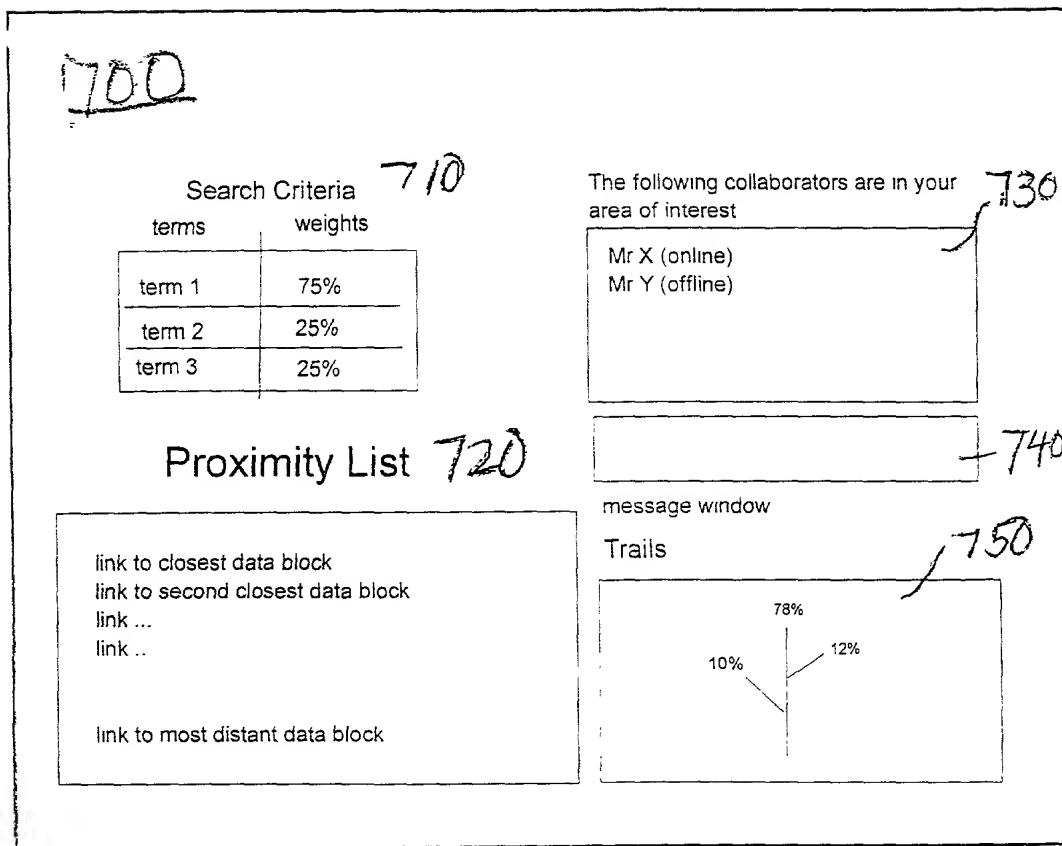


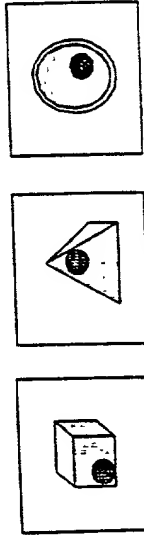
Fig. 7

Proposed Prototype: Collaborative Research Portal

800

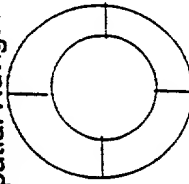
Search Results

Closest results in cyberspace
Most likely trail matches



Three dimensional projections of the search space

Spatial Navigation



Number of navigational dimensions: 4

The following collaborators are in your
area of interest

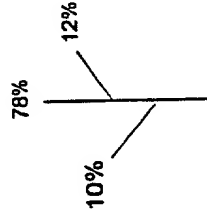
Mr. X (online)
Mr. Y (offline)

830

840

message window
Trails

850



820

810

TOP SECRET

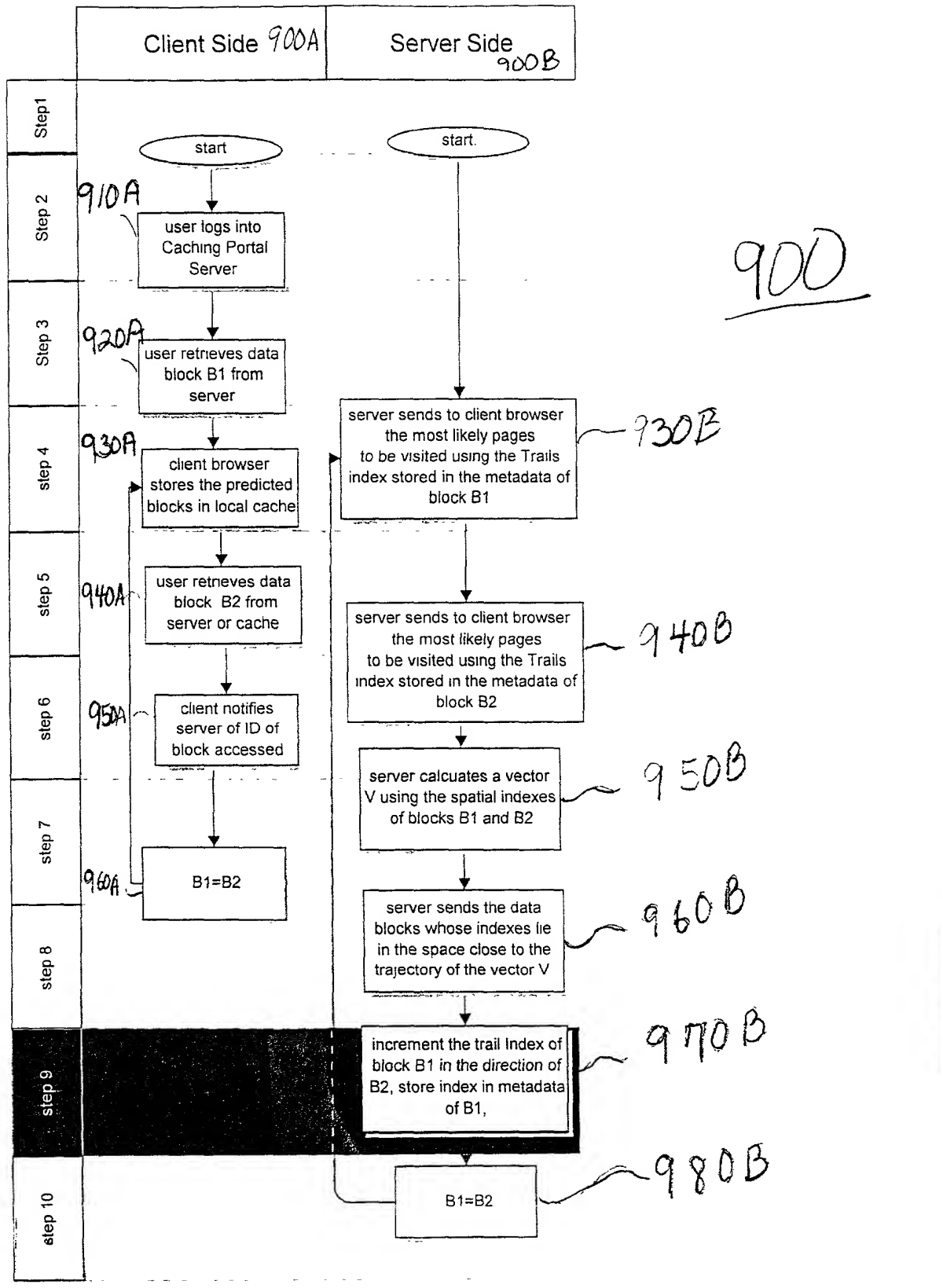


Fig. 9

10A
20A
30A
1000A
1000B

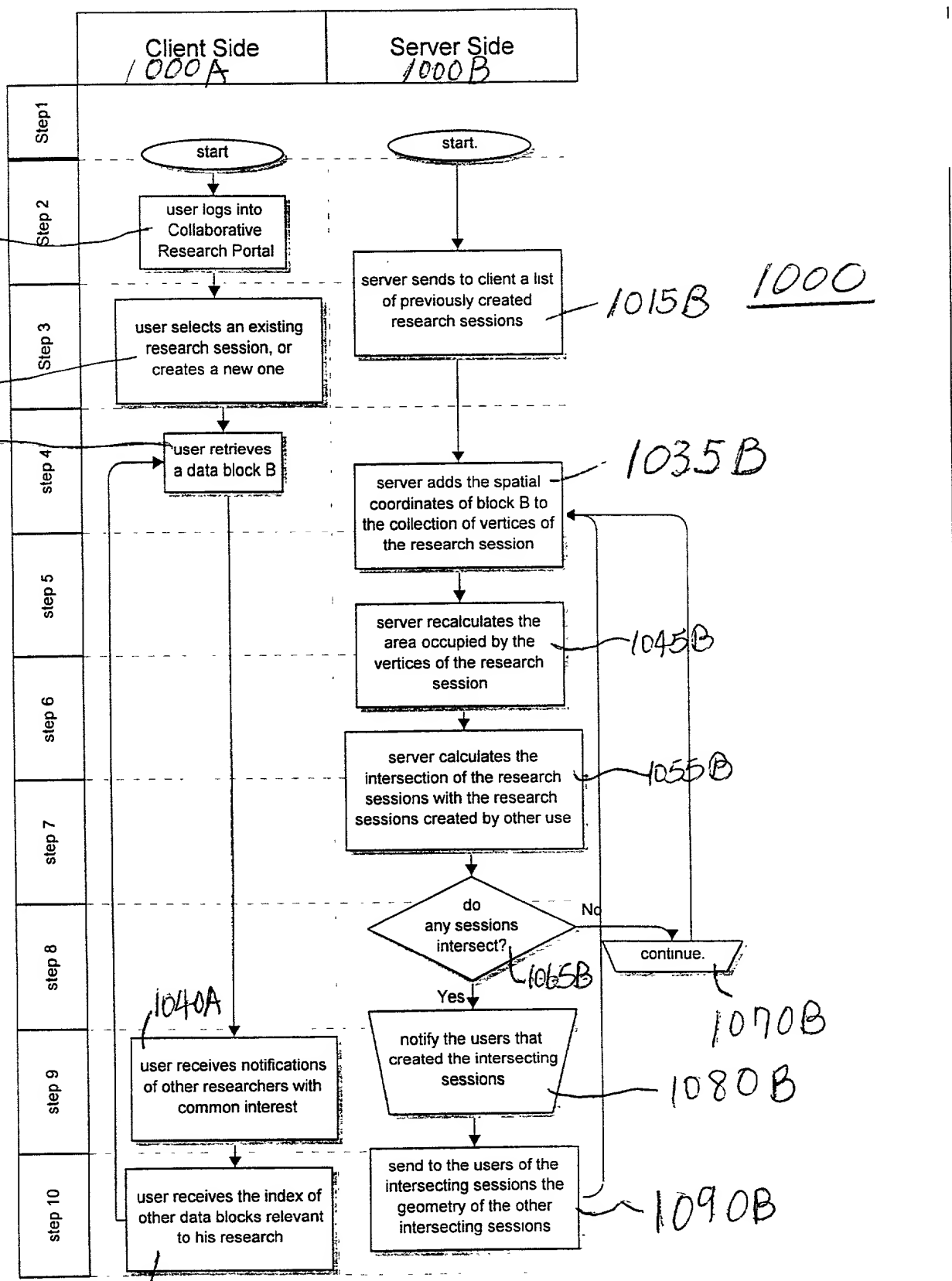


Figure 10

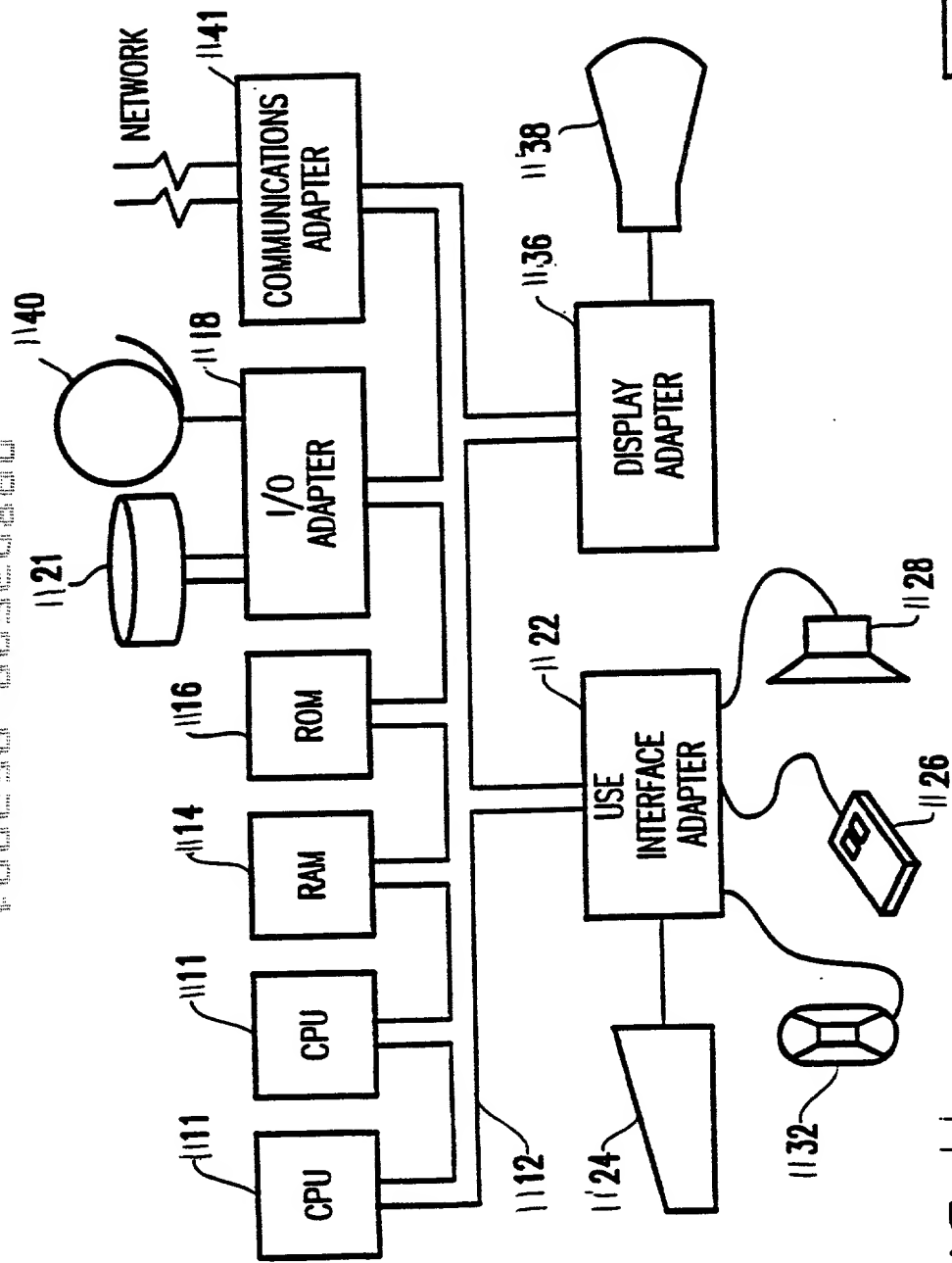


FIG. 1

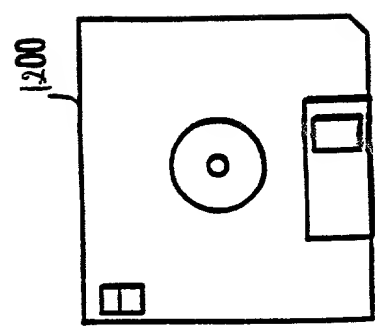


FIG. 2